

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
1821.0050004/EKS/HCCAPPLICATION NO.
09/818,991

FIRST NAMED INVENTOR

Zauderer *et al.*FILING DATE
March 28, 2001ART UNIT
1639

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
PP	AA1	4,690,915	09/01/1987	Rosenberg			08/08/1985
	AB1	5,166,057	11/24/1992	Palese <i>et al.</i>			05/22/1990
	AC1	5,494,807	02/27/1996	Paoletti <i>et al.</i>			08/12/1993
	AD1	5,530,096	06/25/1996	Wölfel <i>et al.</i>			02/28/1994
	AE1	5,578,473	11/26/1996	Palese <i>et al.</i>			03/10/1994
	AF1	5,712,115	01/27/1998	Hawkins <i>et al.</i>			03/19/1996
	AG1	5,804,382	09/08/1998	Sytkowski <i>et al.</i>			05/10/1996
	AH1	5,843,648	12/01/1998	Robbins <i>et al.</i>			01/10/1995
	AI1	5,866,383	02/02/1999	Moss <i>et al.</i>			08/26/1992
	AJ1	5,874,560	02/23/1999	Kawakami <i>et al.</i>			04/22/1994
	AK1	6,706,477	03/16/2004	Zauderer			04/02/2001

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
PP	AL1	DE 19950385 A1	08/03/2000	Germany			Yes X No
	AM1	WO 95/33835 A1	12/14/1995	WIPO			Yes No
	AN1	WO 97/24438 A1	07/10/1997	WIPO			Yes No
	AO1	WO 97/26328 A1	07/24/1997	WIPO			Yes No
	AP1	WO 97/34143 A1	09/18/1997	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

PP	AR	1	Aota, S.-i., <i>et al.</i> , "Nucleotide sequence and molecular evolution of mouse retrovirus-like IAP elements," <i>Gene</i> 56:1-12, Elsevier Science Publishers B.V. (1987)
	AS	1	Bennink, J.R., and Yewdell, J.W., "Recombinant Vaccinia Viruses as Vectors for Studying T Lymphocyte Specificity and Function," <i>Curr. Top. Microbiol. Immunol.</i> 163:153-184, Springer-Verlag (1990)
	AT	1	Boël, P., <i>et al.</i> , "BAGE: a New Gene Encoding an Antigen Recognized on Human Melanomas by Cytolytic T Lymphocytes," <i>Immunity</i> 2:167-175, Cell Press (1995)

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
PP	AA2	6,800,442	10/05/2004	Zauderer			01/03/2002
	AB2	2003/0133917 A1	07/17/2003	Zauderer			09/22/1997
	AC2	2003/0194696 A1	10/16/2003	Zauderer <i>et al.</i>			10/22/2002
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PP	AL2	WO 99/30151 A1	06/17/1999	WIPO			Yes No
	AM2	WO 99/47643 A1	09/23/1999	WIPO			Yes No
	AN2	WO 99/55910 A1	11/04/1999	WIPO			Yes No
	AO2	WO 00/28016 A1	05/18/2000	WIPO			Yes No
	AP2	WO 01/72995 A2 WO 01/72995 A3	10/04/2001	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

PP	AR	2	Brichard, V., <i>et al.</i> , "The Tyrosinase Gene Codes for an Antigen Recognized by Autologous Cytolytic T Lymphocytes on HLA-A2 Melanomas," <i>J. Exp. Med.</i> 178:489-495, Rockefeller University Press (1993)
	AS	2	de Bergeyck, V., <i>et al.</i> , "An intracisternal A-particle sequence codes for an antigen recognized by syngeneic cytolytic T lymphocytes on a mouse spontaneous leukemia," <i>Eur. J. Immunol.</i> 24:2203-2212, VCH Verlagsgesellschaft mbH (1994)
	AT	2	Huang, A.Y.C., <i>et al.</i> , "Role of Bone Marrow-Derived Cells in Presenting MHC Class I-Restricted Tumor Antigens," <i>Science</i> 264:961-965, American Association for the Advancement of Science (1994)

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PP	AL3	WO 02/053576	07/11/2002	WIPO			Yes No
PP	AM3	WO 2004/037993	05/06/2004	WIPO			Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

PP	AR	3	Inaba, K., <i>et al.</i> , "Dendritic Cell Progenitors Phagocytose Particulates, Including Bacillus Calmette-Guerin Organisms, and Sensitize Mice to Mycobacterial Antigens In Vivo," <i>J. Exp. Med.</i> 178:479-488, Rockefeller University Press (1993)
	AS	3	Inaba, K., <i>et al.</i> , "Generation of Large Numbers of Dendritic Cells from Mouse Bone Marrow Cultures Supplemented with Granulocyte/Macrophage Colony-stimulating Factor," <i>J. Exp. Med.</i> 176:1693-1702, Rockefeller University Press (1992)
	AT	3	Janeway, Jr., C.A., and Travers, P., "The generation of T-cell ligands," and "The two classes of MHC molecule have distinct subunit structure but a similar three-dimensional structure," in <i>Immunobiology. The Immune System in Health and Disease</i> , Robertson, M. <i>et al.</i> , eds., Current Biology, Ltd./Garland Publishing, Inc., pp.4:2-4:5 (1994)

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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

PP ↓ ✓	AR	4	Kawakami, Y., <i>et al.</i> , "Cloning of the gene coding for a shared human melanoma antigen recognized by autologous T cells infiltrating into tumor," <i>Proc. Natl. Acad. Sci. USA</i> 91:3515-3519, National Academy of Sciences (1994)
	AS	4	Kitts, P.A., <i>et al.</i> , "Linearization of baculovirus DNA enhances the recovery of recombinant virus expression vectors," <i>Nucleic Acids Res.</i> 18:5667-5672, IRL Press (1990)
	AT	4	Kitts, P.A., and Possee, R.D., "A Method for Producing Recombinant Baculovirus Expression Vectors at High Frequency," <i>Biotechniques</i> 14:810-812, 814, and 816-817, Eaton Publishing Company (1993)

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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

PP	AR	5	Kuff, E.L., and Lueders, K.K., "The Intracisternal A-Particle Gene Family: Structure and Functional Aspects," <i>Adv. Cancer Res.</i> 51:183-276, Academic Press, Inc. (1988)
↓	AS	5	LaFace, D.M., <i>et al.</i> , "Human CD8 Transgene Regulation of HLA Recognition by Murine T Cells," <i>J. Exp. Med.</i> 182:1315-1325, Rockefeller University Press (1995)
↓	AT	5	Liang, P., and Pardee, A.B., "Differential Display of Eukaryotic Messenger RNA by Means of the Polymerase Chain Reaction," <i>Science</i> 257:967-971, American Association for the Advancement of Science (1992)

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

PP	AR	6	Lisitsyn, N., <i>et al.</i> , "Cloning the Differences Between Two Complex Genomes," <i>Science</i> 259:946-951, American Association for the Advancement of Science (1993)
	AS	6	Mackett, M., <i>et al.</i> , "Vaccinia virus: A selectable eukaryotic cloning and expression vector," <i>Proc. Natl. Acad. Sci. USA</i> 79:7415-7419, National Academy of Sciences (1982)
	AT	6	Mackett M., <i>et al.</i> , "General Method for Production and Selection of Infectious Vaccinia Virus Recombinants Expressing Foreign Genes," <i>J. Virol.</i> 49:857-864, American Society for Microbiology (1984)

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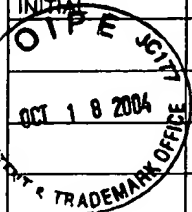
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	1	Merchlinsky, M., and Moss, B., "Introduction of Foreign DNA into the Vaccinia Virus Genome by <i>in Vitro</i> Ligation: Recombination-Independent Selectable Cloning Vectors," <i>Virology</i> 190:522-526, Academic Press, Inc. (1992)
	AS	1	Merchlinsky, M., <i>et al.</i> , "Construction and Characterization of Vaccinia Direct Ligation Vectors," <i>Virology</i> 238:444-451, Academic Press, Inc. (1997)
	AT	1	Meyer H., <i>et al.</i> , "Mapping of deletions in the genome of the highly attenuated vaccinia virus MVA and their influence on virulence," <i>J. Gen. Virol.</i> 72:1031-1038, Society for General Microbiology (1991)

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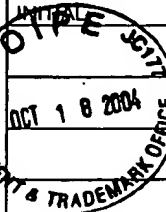
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	8	Miyake, S., <i>et al.</i> , "Efficient generation of recombinant adenoviruses using adenovirus DNA-terminal protein complex and a cosmid bearing the full-length virus genome," <i>Proc. Natl. Acad. Sci. USA</i> 93:1320-1324, National Academy of Sciences (1996)
	AS	8	Moss, B., "Vaccinia Virus: A Tool for Research and Vaccine Development," <i>Science</i> 252:1662-1667, American Association for the Advancement of Science (1991)
	AT	8	Palese, P., <i>et al.</i> , "Negative-strand RNA viruses: Genetic engineering and applications," <i>Proc. Natl. Acad. Sci. USA</i> 93:11354-11358, National Academy of Sciences (1996)

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PP	AR	9	Panicali, D., and Paoletti, E., "Construction of poxviruses as cloning vectors: Insertion of the thymidine kinase gene from herpes simplex virus into the DNA of infectious vaccinia virus," <i>Proc. Natl. Acad. Sci. USA</i> 79:4927-4931, National Academy of Sciences (1982)
	AS	9	Pfleiderer, M., <i>et al.</i> , "A novel vaccinia virus expression system allowing construction of recombinants without the need for selection markers, plasmids and bacterial hosts," <i>J. Gen. Virol.</i> 76:2957-2962, Society for General Microbiology (1995)
	AT	9	Quill, H., "Anergy as a Mechanism of Peripheral T Cell Tolerance," <i>J. Immunol.</i> 156:1325-1327, American Association of Immunologists (1996)

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PP	AR	<u>10</u>	Ralph, D., <i>et al.</i> , "RNA fingerprinting using arbitrarily primed PCR identifies differently regulated RNAs in milk lung (My1Lu) cells growth arrested by transforming growth factor β 1," <i>Proc. Natl. Acad. Sci. USA</i> 90:10710-10714, National Academy of Sciences (1993)
	AS	<u>10</u>	Sahasrabudhe, D.M., <i>et al.</i> , "Shared T Cell-Defined Antigens on Independently Derived Tumors," <i>J. Immunol.</i> 151:6302-6310, American Association of Immunologists (1993)
✓	AT	<u>10</u>	Sambrook, J., <i>et al.</i> , "Identification of cDNA clones of interest," in <i>Molecular Cloning. A Laboratory Manual</i> , 2 nd ed., Sambrook, J., <i>et al.</i> , eds., Cold Spring Harbor Laboratory Press, Plainview, NY, pp.8.46-8.52 (1989)

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PP	AR	11	Scheiflinger, F., <i>et al.</i> , "Construction of chimeric vaccinia viruses by molecular cloning and packaging," <i>Proc. Natl. Acad. Sci. USA</i> 89:9977-9981, National Academy of Sciences (1992)
	AS	11	Shirai, M., <i>et al.</i> , "CTL Responses of HLA-A2.1-Transgenic Mice Specific for Hepatitis C Viral Peptides Predict Epitopes for CTL of Humans Carrying HLA-A2.1," <i>J. Immunol.</i> 154:2733-2742, American Association of Immunologists (1995)
	AT	11	Sidney, J., <i>et al.</i> , "Practical, biochemical and evolutionary implications of the discovery of HLA class I supermotifs," <i>Immunol. Today</i> 17:261-266, Elsevier Science, Ltd.(1996)

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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

PR	AR	12	Takahashi, H., <i>et al.</i> , "Induction of CD8 ⁺ cytotoxic T cells by immunization with purified HIV-1 envelope protein in ISCOMs," <i>Nature</i> 344:873-875, Macmillan Journals Ltd. (1990)
	AS	12	Torigoe, T., <i>et al.</i> , "Tumor Rejection Antigens on BALB3T3 Cells Transformed by Activated Oncogenes," <i>J. Immunol.</i> 147:3251-3258, American Association of Immunologists (1991)
✓	AT	12	van der Bruggen, P., <i>et al.</i> , "A Gene Encoding an Antigen Recognized by Cytolytic T Lymphocytes on a Human Melanoma," <i>Science</i> 254:1643-1647, American Association for the Advancement of Science (1991)

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>13</u>	Van den Eynde, B., <i>et al.</i> "A New Family of Genes Coding for an Antigen Recognized by Autologous Cytolytic T Lymphocytes on a Human Melanoma," <i>J. Exp. Med.</i> 182:689-698, Rockefeller University Press (1995)
	AS	<u>13</u>	Vitiello, A., <i>et al.</i> , "Analysis of the HLA-restricted Influenza-specific Cytotoxic T Lymphocyte Response in Transgenic Mice Carrying a Chimeric Human-Mouse Class I Major Histocompatibility Complex," <i>J. Exp. Med.</i> 173:1007-1015, Rockefeller University Press (1991)
	AT	<u>13</u>	Wang, R-F., <i>et al.</i> , "Development of a Retrovirus-based Complementary DNA Expression System for the Cloning of Tumor Antigens," <i>Cancer Res.</i> 58:3519-3525, American Association of Cancer Research (1998)

EXAMINER

P. Ponniah

DATE CONSIDERED

7/24/05

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FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
1821.0050004/EKS/HCCAPPLICATION NO.
09/818,991FIRST NAMED INVENTOR
Zauderer *et al.*FILING DATE
March 28, 2001ART UNIT
1639

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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	AL						Yes No
	AM						Yes No
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

PP	AR	14	Welsh, J., <i>et al.</i> , "Arbitrarily primed PCR fingerprinting of RNA," <i>Nucleic Acids Res.</i> 20:4965-4970, Oxford University Press (1992)
	AS	14	Wentworth, P.A., <i>et al.</i> , "Differences and similarities in the A2.1-restricted cytotoxic T cell repertoire in humans and human leukocyte antigen-transgenic mice," <i>Eur. J. Immunol.</i> 26:97-101, VCH Verlagsgesellschaft mbH (1996)
✓	AT	14	Wilson, S.H., and Kuff, E.L., "A Novel DNA Polymerase Activity Found in Association with Intracisternal A-Type Particles," <i>Proc. Natl. Acad. Sci. USA</i> 69:1531-1536, National Academy of Sciences (1972)

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4/24/05

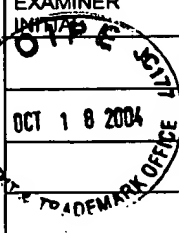
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	AR	<u>15</u>	Wölfel, T., <i>et al.</i> , "Immunogenic (tum') variants obtained by mutagenesis of mouse mastocytoma P815," <i>Immunogenetics</i> 26:178-187, Springer-Verlag (1987)
	AS	<u>15</u>	Clontech Catalog 1998/1999, "CLONTECH PCR-Select Subtraction," p.24 (Clontech Laboratories, Inc., Palo Alto, CA) (1998)
	AT	<u>15</u>	Smith, E.S., <i>et al.</i> , "Lethality-based selection of recombinant genes in mammalian cells: Application to identifying tumor antigens," <i>Nat. Med.</i> 7:967-972, Nature America Inc. (August 2001)

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PP	AR	16	Traversari, C., <i>et al.</i> , "Transfection and expression of a gene coding for a human melanoma antigen recognized by autologous cytolytic T lymphocytes," <i>Immunogenetics</i> 35:145-152, Springer-Verlag (1992)
	AS	16	Pending Non-Provisional United States Patent Application No. 10/901,415, Zauderer, M., filed July 29, 2004 (NOT PUBLISHED)
✓	AT	16	Buller, R.M.L., <i>et al.</i> , "Deletion of the Vaccinia Virus Growth Factor Gene Reduces Virus Virulence," <i>J. Virol.</i> 62: 866-874, American Society for Microbiology (1988)

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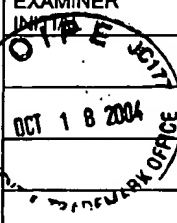
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	AR	<u>17</u>	Greenhalf, W., <i>et al.</i> , "A Selection System for Human Apoptosis Inhibitors Using Yeast," <i>Yeast</i> 15: 1307-1321, John Wiley & Sons, Ltd. (September 1999)
	AS	<u>17</u>	Moss, B., <i>et al.</i> , "Deletion of a 9,000-Base-Pair Segment of the Vaccinia Genome that Encodes Nonessential Polypeptides," <i>J. Virol.</i> 40: 387-395, American Society for Microbiology (1981)
	AT	<u>17</u>	Panicali, D., <i>et al.</i> , "Two Major DNA Variants Present in Serially Propagated Stocks of the WR Strain of Vaccinia Virus," <i>J. Virol.</i> 37: 1000-1010, American Society for Microbiology (1981)

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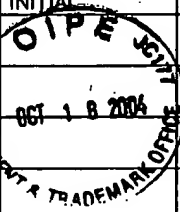
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	AR	<u>18</u>	Smith, <i>et al.</i> , "Identification and Characterization of a Shared Murine Tumor Antigen," transcript of Ph.D. Thesis Seminar, September 18, 1998.
	AS	<u>18</u>	Smith, E.S., "Identification and Characterization of a Shared Murine Tumor Antigen," Ph.D. Thesis, University of Rochester, June 30, 1999.
	AT	<u>18</u>	Vidović, D., and Toral, J.I., "Selective Apoptosis of Neoplastic Cells by the HLA-DR-Specific Monoclonal Antibody," <i>Cancer Lett.</i> 128: 127-135, Elsevier Science Ireland Ltd. (1998)

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PP	AR	19	Database esp@cenet, English language Abstract of WO 00/44894, available online at http://v3/espacenet.com/textdoc?DB=EPODOC&IDX=WO0044894&F=8&QPN=WO0044894
	AS	19	Faber, L.M., <i>et al.</i> , "Generation of CD4+ cytotoxic T-lymphocyte clones from a patient with severe graft-versus-host disease after allogeneic bone marrow transplantation: implications for graft-versus-leukemia reactivity," <i>Blood</i> 86:2821-2828, American Society of Hematology (1995) (PubMed Abstract Only)
	AT	19	Copy of Office Action for United States Patent Application No. 08/935,377, Zauderer, M., filed September 22, 1997, mailed on July 18, 2000 <i>considered.</i>

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11/24/05

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AR	20	Copy of Office Action for United States Patent Application No. 08/935,377, Zauderer, M., filed September 22, 1997, mailed on December 27, 2000
AS	20	Copy of Advisory Action for United States Patent Application No. 08/935,377, Zauderer, M., filed September 22, 1997, mailed on April 25, 2001
AT	20	Copy of Office Action for United States Patent Application No. 08/935,377, Zauderer, M., filed September 22, 1997, mailed on June 04, 2002

EXAMINER

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	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	21	Copy of Office Action for United States Patent Application No. 08/935,377, Zauderer, M., filed September 22, 1997, mailed on November 19, 2002
	AS	21	Copy of Office Action for United States Patent Application No. 08/935,377, Zauderer, M., filed September 22, 1997, mailed on June 02, 2003
	AT	21	Copy of Office Action for United States Patent Application No. 09/822,250, Zauderer, M., filed April 02, 2001, mailed on May 06, 2003

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PP	AR	22	Copy of Office Action for United States Patent Application No. 10/034,350, Zauderer, M., filed January 03, 2002, mailed on July 17, 2003
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**FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**

ATTY. DOCKET NO.
1821.0050004/EKS/HCC/T-M

APPLICATION NO.
09/818,991

APPLICANT(S)
Zauderer *et al.*

FILING DATE
March 28, 2001

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U.S. PATENT DOCUMENTS

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P. Ponnaburi

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11/10/03

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